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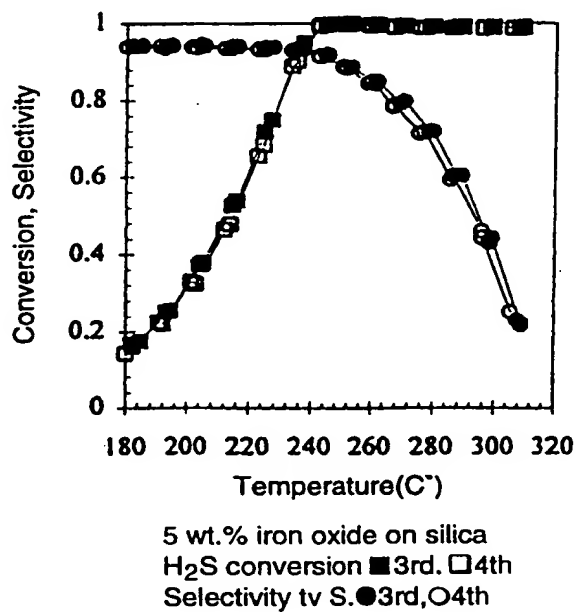


Fig. 1

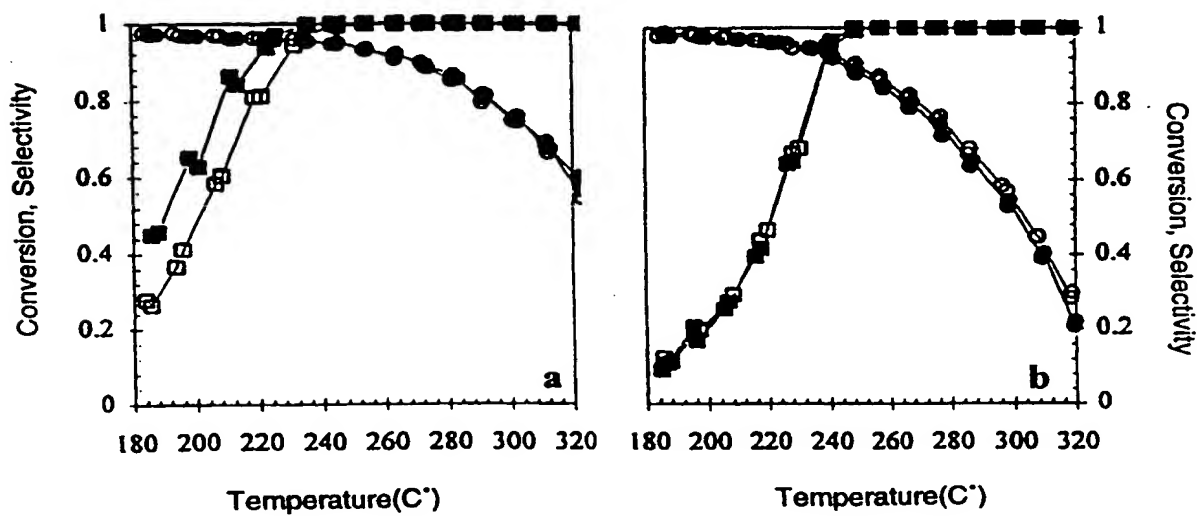


Fig. 2

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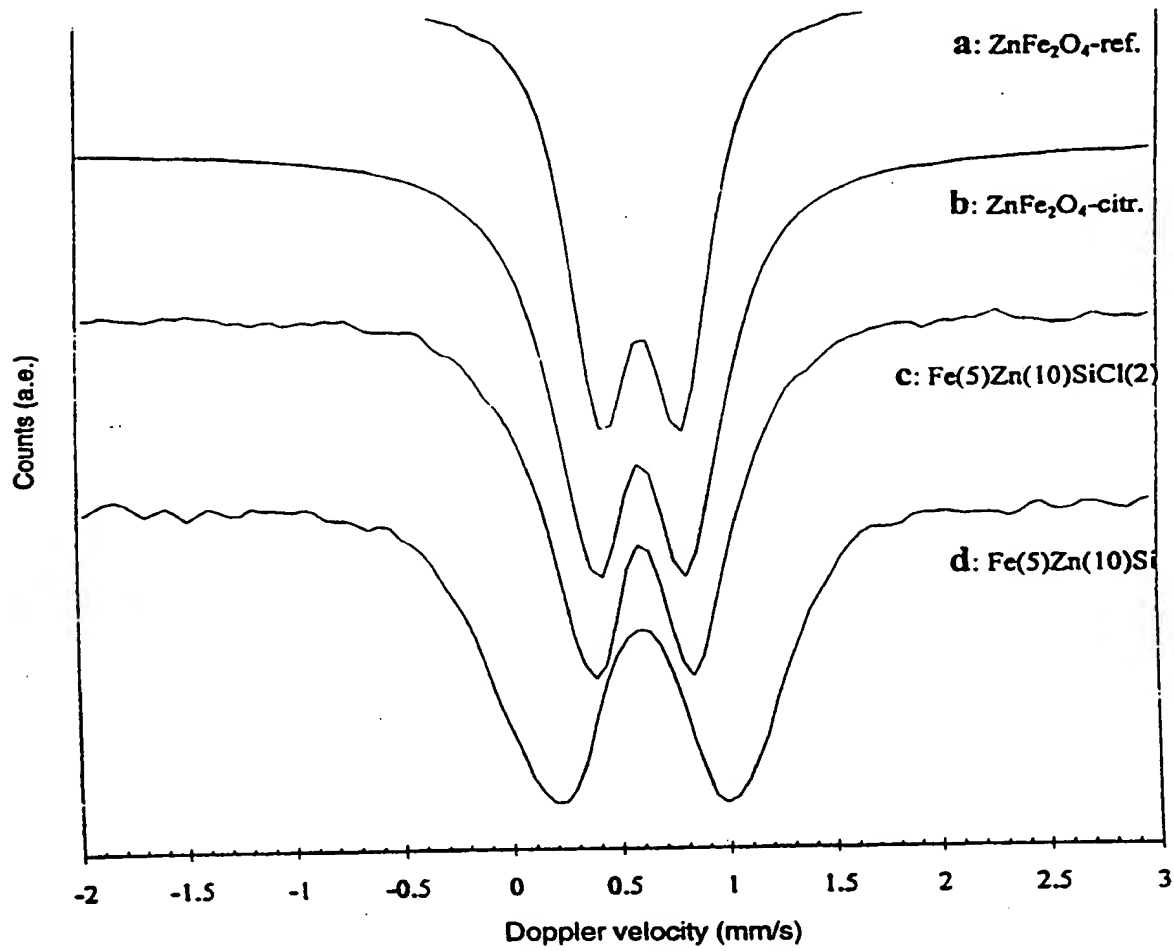
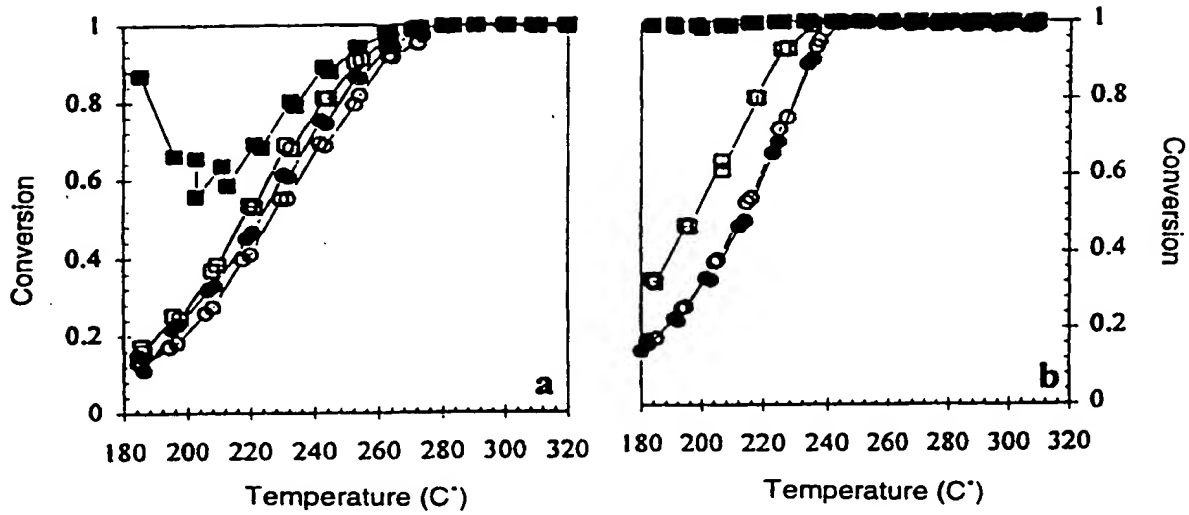


Fig. 3

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Fe<sub>7</sub>Zn catalyst

a) Fe(5)Zn(10)Si-Cl.

b) Fe(5)Zn(10)Si.

5 wt.% iron oxide on silica

H<sub>2</sub>S conversion ■ 3rd, □ 4th

Selectivity to S: ● 3rd, ○ 4th

Fig. 4

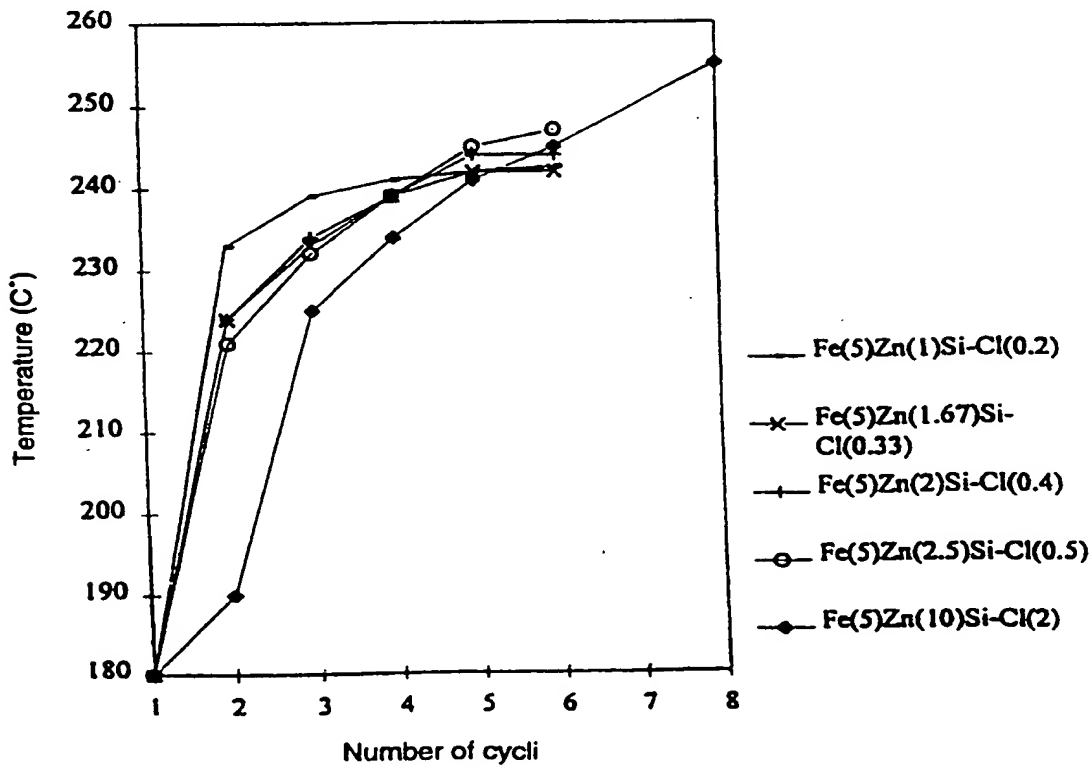


Fig. 5

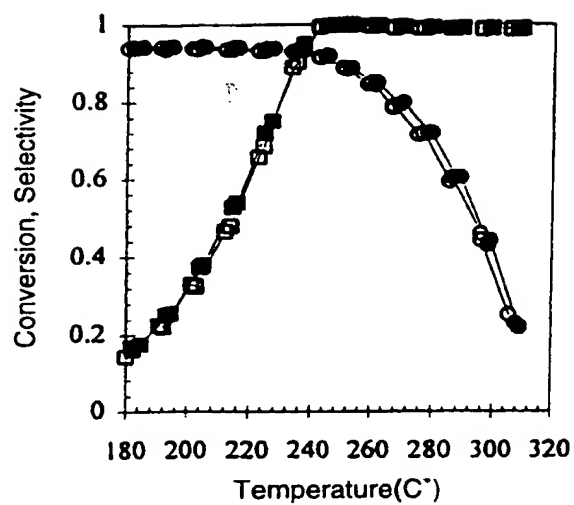


Fig. 1

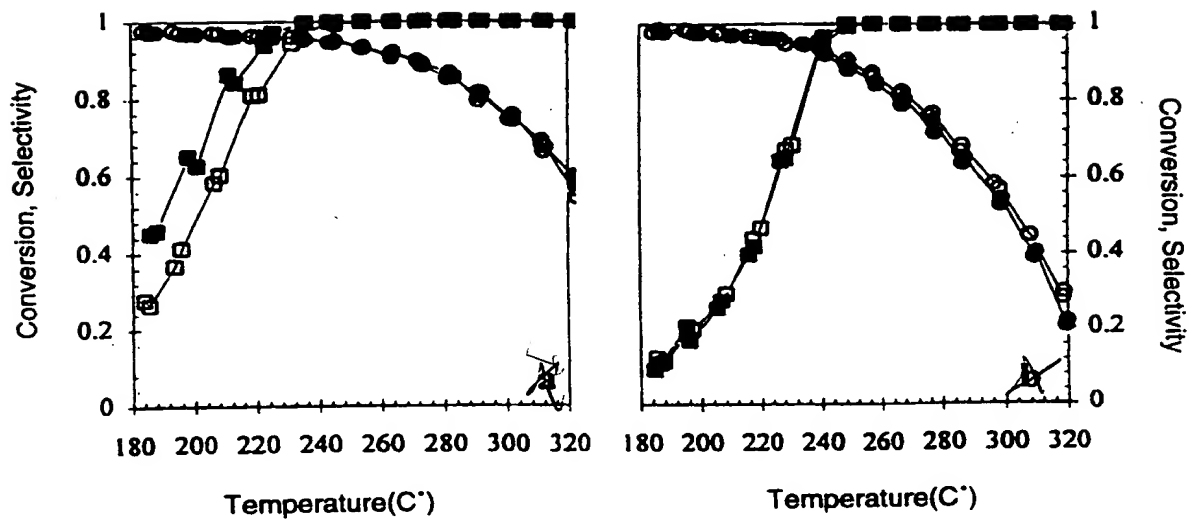


FIG. 2A

Fig. 2B

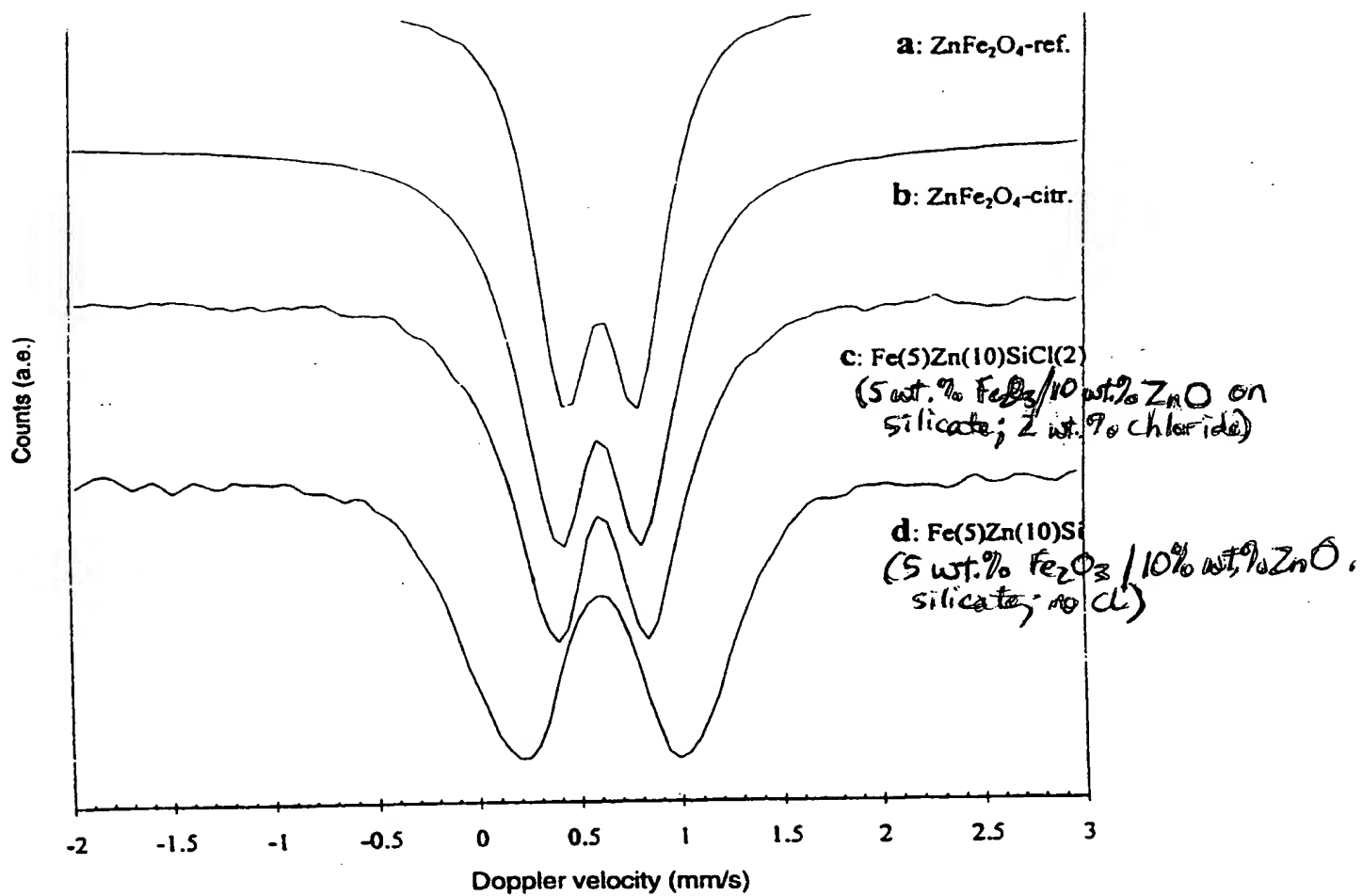


Fig. 3

FIG. 4 A

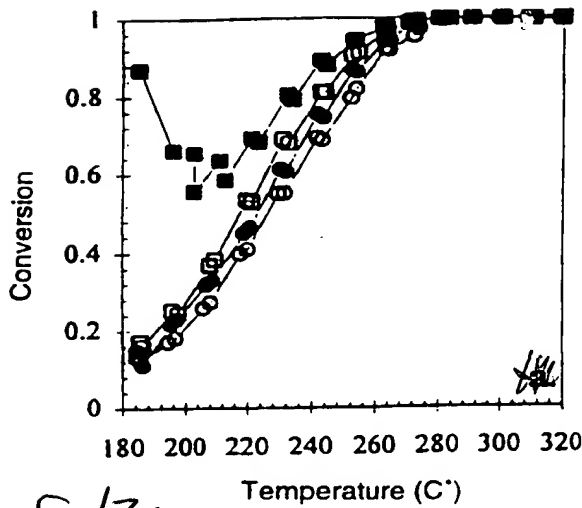
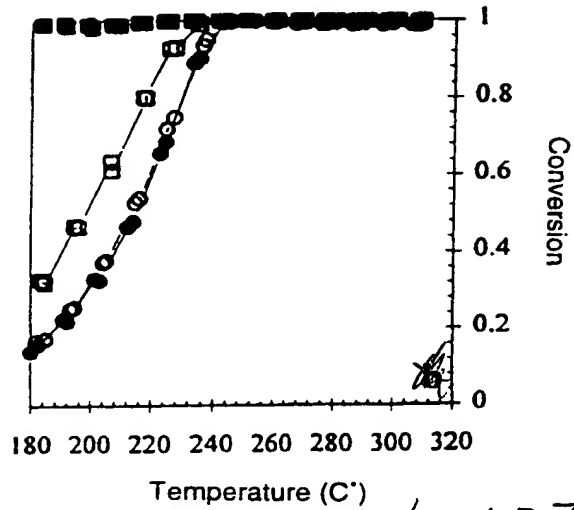


FIG. 4 B



a) Fe(5)Zn(10)Si-Cl. (5 wt.%  $Fe_2O_3$ /10 wt.% ZnO on silica, with Cl)  
 b) Fe(5)Zn(10)Si. (5 wt.%  $Fe_2O_3$ /10 wt.% ZnO on silica, w/out Cl)

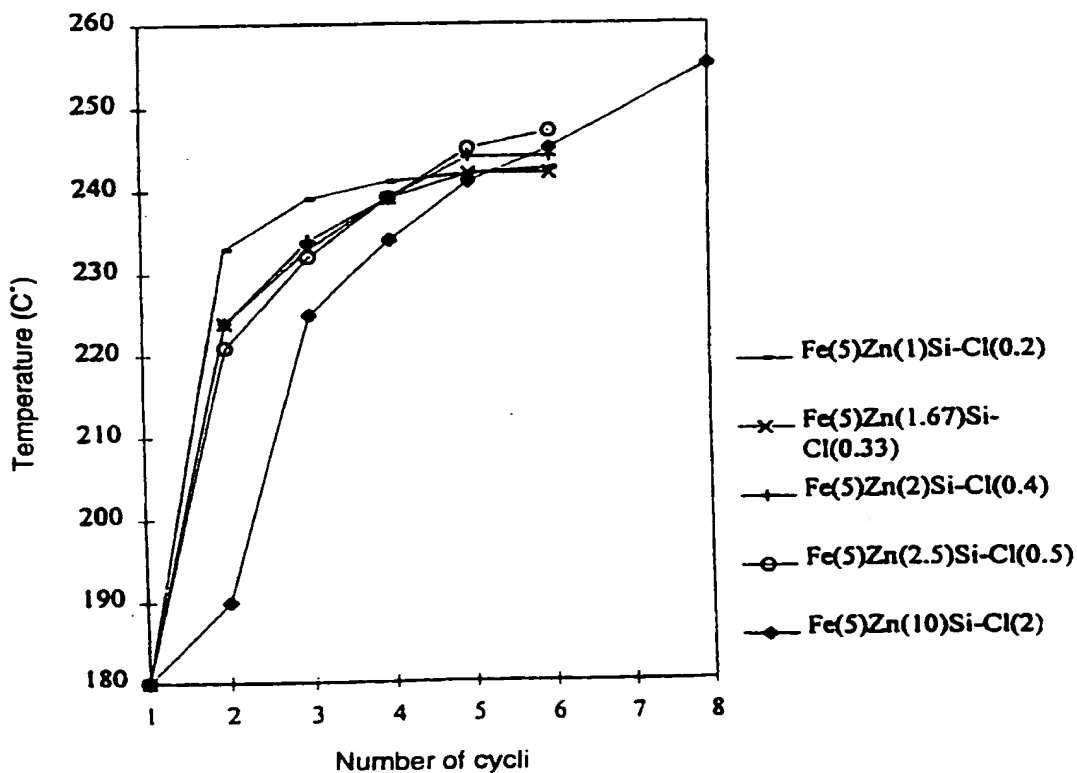
~~Fig. 4~~

Fig. 5